

(BSP December 2, 2002)

Removing Portions of Existing Bridge Expansion Joints

The Contractor shall remove all concrete, expansion joint materials, overlay, dirt and debris at the bridge expansion joints of Bridge No(s). *** \$\$\$ *** within the blockout dimensions shown in the Plans.

Before removing the portions of the existing concrete adjacent to that which is to remain, a 3/4-inch deep saw cut, but no deeper than the existing concrete cover over the steel reinforcing bars, shall be made into the surface of the concrete to form a break line. Care shall be taken to prevent cutting the existing reinforcing steel bars which are to remain.

The Contractor shall remove concrete in the vicinity of the bridge expansion joints using the following power driven tools:

1. Jack hammers no heavier than the nominal 30 pound class.
2. Chipping hammers no heavier than the nominal 15 pound class.

No other power driven equipment shall be used to remove concrete in the vicinity of the bridge expansion joints. The power driven tools shall be operated at angles less than 45 degrees as measured from the surface of the deck to the tool.

Care shall be taken in removing concrete to prevent overbreakage or damage to portions of the existing structure which are to remain. Concrete shall be carefully broken away from the steel reinforcing bars which extend from the existing structure. Steel reinforcing bars which extend from the existing members shall be cleaned and spliced with the steel reinforcing bars in the new members unless shown otherwise in the Plans. The Contractor shall protect traffic from falling concrete and debris, in accordance with the debris collection and containment provisions of the demolition plan as approved by the Engineer. The Contractor shall dispose of all materials removed from the bridge expansion joints in accordance with Section 2-02.3.

The Contractor shall use bush-hammering and other means to roughen the existing concrete surfaces bonding to the header material. For polymer concrete headers or polyester concrete headers, the Contractor shall clean and prepare all existing concrete surfaces bonding to the header in accordance with the **Polymer Concrete** or **Polyester Concrete** subsection, respectively, to Section 6-02.3 as supplemented in these Special Provisions. For concrete headers, the Contractor shall clean and prepare all existing concrete surfaces bonding to the header in accordance with Section 6-02.3(12).